

## ABSTRACT OF THE DISCLOSURE

The present invention relates to a video transmission and receiving method and apparatus using a radio communication instrument which are capable of transferring and receiving various information such as a video signal using a conventional radio communication instrument without providing an additional apparatus. The radio transmission and receiving apparatus using a radio communication instrument includes an input unit for receiving a video signal generated by a video input apparatus such as a video camera, etc., a capture and analog/digital converter for capturing the inputted video signal by a field or frame and converting into a digital signal, a storing unit for temporarily storing the converted digital video data, a central processing unit for JPEG-compressing the stored digital video data by a horizontal line, changing a transmission sequence of the JPEG compressed data based on a certain method, encrypting the same and performing a decompression and decoding operation with respect to an externally received compressed and encrypted video signal, an encryption code generator including a variation table by which the central processing unit changes a transmission sequence of the JPEG-compressed data in a transmission mode and the sequence of the data of the signal having a changed sequence is recovered in a receiving mode, and a display unit for displaying a video signal which is currently inputted or received.

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